



UNITED NATIONS CONFERENCE
ON THE APPLICATION OF SCIENCE AND TECHNOLOGY
FOR THE BENEFIT OF THE LESS DEVELOPED AREAS

E/CONF.39/D/85

SUMMARY

11 Oct.1962

ENGLISH

ORIGINAL : SPANISH

SUMMARY

Agenda Item: D.13

Venezuela

RESEARCH PROGRAM ON INDUSTRIAL CLAYS
OF VENEZUELA AS AN EXAMPLE OF STUDY AND EVALUATION
OF MINERAL RESOURCES

By Dr. Federico RIVERO P.
Director of the Institute Venezolano
de Investigaciones Tecnológicas
e Industriales (INVESTI)

Papers have been contributed to the United Nations Conference on the Application of Science and Technology for the Benefit of the Less Developed Areas as working papers for that Conference. They are published as presented by the contributors, and the contents and the views expressed are those of the contributors. (See notes overleaf.)

NOTES

1. Papers selected for inclusion in General Sessions will be available at the Conference in the following official languages of the United Nations: English, French, Russian and Spanish.
2. Papers selected for inclusion in Specialized Sessions will be available at the Conference in only one of the above official languages.
3. Summaries of all papers, as submitted by contributors, will be available at the Conference in the following official languages of the United Nations: English, French, Russian and Spanish.
4. Papers and summaries will not be available for general distribution in advance of the Conference. They will be published in advance in limited quantities only for the use of delegations of participating governments and of other authorized participants. Post-Conference publication and general distribution of the Conference Proceedings will follow United Nations practices as laid down by the United Nations Publications Board.

RESEARCH PROGRAM ON INDUSTRIAL CLAYS OF VENEZUELA
AS AN EXAMPLE OF STUDY AND EVALUATION OF MINERAL RESOURCES.

By Dr. Federico Rivero P.
Director of the Instituto Venezolano de
Investigaciones Tecnológicas e Industriales
(INVESTI)

SUMMARY

1^a) Premises: It is considered necessary for the evolution of industry in a country the knowledge about its mineral resources and it is recommended, before starting out a research program, a careful study of the following points:

- a) Economic importance of the resource.
- b) Actual and future industries which may consume it.
- c) Detailed discrimination of the work the investigation may require and determination of the scientific capacity and economic possibilities to carry it out.

2) An application of these recommendations was carried out in the program "Arcillas Industriales".

3) Data is presented in order to prove the importance of clays for industrial purposes.

4) The possibility of using clay resources in Venezuela is reviewed.

5) Organization of the program.

6) Budget: The budget was obtained by "selling the idea" to different government and private organizations.

7) Organization:

a) Prospections: A field geologist with all information available at hand, takes the samples and makes a visual volume estimate of the deposit.

b) "Marcha Analítica": Samples are run through a series of eliminating type of tests, which indicate the possible industrial use without undue work.

c) Samples which appear promisory in these first tests are further analyzed.

d) Pilot Plant: Clays which could be definitely used in industry are run through a pilot plant to determine cost of standarization.

e) Cooperation with existing industry as well as promoting new industries in the field of clays.

f) Close contact with international clay research centers.

g) Study of possible diversification of equipment and "know-how" invested in this program for other investigations.

h) Complement: A copy of "Bases Técnicas" is enclosed. This publication describes the technical work which is done on "Industrial Clays"

[The body of the document contains several paragraphs of extremely faint, illegible text, likely bleed-through from the reverse side of the page.]